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EXPERIMENT STATION FILE

Issued October 15, 1918.

UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.

HENRY S. GRAVES, Forester.

October Field Program 1918

This program of field-work assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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ALBERT F. POTTER, Associate Forester.

WILLIAM L. HALL, Assistant Forester.

E. A. SHERMAN, Assistant Forester.

A. O. WAHA, forest inspector.

G. G. ANDERSON, assistant to the Forester.

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COOPERATION WITH PRIVATE TIMBERLAND OWNERS.—A. CARY, acting in charge.

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WILL C. BARNES, assistant forester, in charge; J. W. NELSON, inspector of grazing.

GRAZING STUDIES (in cooperation with F. V. COVILLE, botanist, Bureau of Plant Industry).—JAMES T. JARDINE, inspector of grazing, in charge.

Forage investigations.—William A. Dayton, plant ecologist, Washington, D. C.

Goat range study.—William R. Chapline, grazing examiner, Washington, D. C.

Range reserve experiments.—Jornada Reserve: Clarence L. Forsling, grazing examiner, in charge, Las Cruces, N. Mex. Santa Rita Reserve: R. L. Hensel, forest examiner, in charge, Tucson, Ariz.

LANDS.

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CLAIMS AND OCCUPANCY.—C. H. SQUIRE, in charge.

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SETTLEMENT.—F. L. HARVEY, in charge.

BOUNDARIES AND ENTRY SURVEYS.—R. V. REYNOLDS, in charge.

STATUS.—J. B. SATTERLEE, J. E. BURCH.

RESEARCH.

EARLE H. CLAPP, assistant forester, in charge; HARRY IRION, office assistant; ELSERS KOCH, forest supervisor, on detail.

FOREST INVESTIGATIONS.—RAPHAEL ZON, chief.

Studies.—C. R. Tillotson, W. D. Sterrett, W. N. Sparhawk, E. R. Hodson; A. F. Hawes and W. R. Mattoon (in cooperation with the States Relation Service); Willis Munro (in cooperation with the Bureau of Entomology).

FOREST DISTRIBUTION.—W. H. LAMB, in charge; Miss G. E. Wharton.

FOREST MEASUREMENTS.—J. W. STOKES, on detail.

LIBRARY.—Miss H. E. STOCKBRIDGE.

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Cloquet Experiment Station in cooperation with the University of Minnesota.—W. H. Kenety, Cloquet, Minn.

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Commercial extension.—Rolf Thelen (on detail, Washington office).

Review of results.—Ray C. Tuttle, acting in charge.

ENGINEERING.—F. E. BONNER, in charge; B. L. Nelson, J. B. Yule, H. T. Burgess.

DERIVED PRODUCTS.—L. F. HAWLEY, in charge; Ernest Bateman, Samuel A. Mahood, E. C. Sherrard, Howard N. Calderwood, H. M. Mayo, G. W. Blanco, D. E. Cable.

Lumber studies.—Henry J. Hegel, in charge; D. G. White, W. W. Morris.

PULP AND PAPER.———, in charge; H. E. Surface (on detail, Washington office), Sidney D. Wells, V. P. Edwardes.

TIMBER MECHANICS.—J. A. NEWLIN, in charge; L. J. Markwardt, T. R. C. Wilson, J. S. Mathewson, J. O. Bixby.

Timber Tests.—G. E. Heck, in charge; H. S. Grenoble, Armin Elmen-dorf, J. R. Watkins, W. S. Broome, R. E. Johnston, C. E. Dennis, H. J. Rosenthal, C. A. Plaskett, R. F. Luxford, L. A. Welo, E. D. Fahlberg, R. P. A. Johnson, W. S. Wilder, G. M. Griffith, C. H. Clevenger, J. N. Jensen.

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INDUSTRIAL INVESTIGATIONS.—H. S. BETTS, in charge; ROLF THELEN, on detail.

STUDIES.—J. T. Harris and Harry P. Burden.

USES OF WOODS.—W. D. Brush.

WOOD-WASTE EXCHANGE.—R. K. Helphenstine, jr.

LUMBER INDUSTRY STUDY.—R. C. Bryant, East; F. E. Olmsted, West.

FIELD INVESTIGATIONS.—E. N. Munns, W. H. Weber, E. H. Frothingham, K. McR. Clark, P. S. Lovejoy.

STATISTICS OF FOREST PRODUCTS.—Franklin H. Smith, Albert H. Pierson. Collaborator: A. B. Strough, Albany, N. Y.

ENGINEERING.

O. C. MERRILL, chief engineer, in charge.

ROADS.—T. W. NORCROSS, assistant chief engineer, in charge.

WATER POWER.—L. A. WHITSIT, assistant engineer, in charge.

MAPS AND SURVEYS.—F. E. BONNER, assistant engineer, in charge (temporarily on detail to the Forest Products Laboratory); C. A. KOLB, geographer.

ATLAS.—G. B. BRUCE.

DRAFTING.—J. M. WITHEROW.

ENGRAVING.—F. C. CRASS.

PHOTOGRAPHY.—E. S. SHIPP.

SURVEYS.—F. E. BONNER (on detail to Madison laboratory).

ACQUISITION OF LANDS UNDER THE WEEKS LAW.

WILLIAM L. HALL, assistant forester in charge, Washington, D. C.

APPRAISAL OF LANDS.—W. W. ASHE, forest inspector in charge, Washington, D. C. Lumberman's examinations: E. D. Fletcher, Gorham,

N. H.; George W. Marshall, Clayton, Ga. Forest examiners: White Mountain Area, H. S. Davis, Gorham, N. H.; Shenandoah Area, S. H. Thompson, Harrisonburg, Va.; Natural Bridge, Massanutten, and Potomac Areas, H. M. Sears and party, Buena Vista, Va.; Boone and Mount Mitchell Areas, R. J. Noyes and party, Marion, N. C.; Savannah Area, W. J. Damtoft (in charge of party), Clayton, Ga.; Alabama Area, E. J. Meade (in charge of party), Moulton, Ala.

SURVEY OF LANDS.—Harold G. Wood, national forest examiner (on detail to War Industries Board), Washington, D. C. Examiners of surveys: White Mountain Area, Frederick A. Gardner, Gorham, N. H.; Shenandoah Area, E. R. Conrad and Carl F. Muzzey, Harrisonburg, Va.; Nantahala Area, J. W. Fox, Clayton, Ga.; Mount Mitchell Area, Dave M. Gibson, Marion, N. C.; Pisgah Area, James Denman and W. N. Sloan, Asheville, N. C.; Natural Bridge Area, Alfred R. Kinney, Buena Vista, Va.

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DISTRICT 1.

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OPERATION.—GLEN A. SMITH, assistant district forester; G. I. PORTER, executive assistant; R. B. ADAMS, telephone engineer; FAY G. CLARK, improvements; C. C. DELAVAN, fire protection.

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LOGGING ENGINEERING.—J. W. GIRARD, logging engineer.

TIMBER SALES.—C. B. BAKER, administrative assistant. Field supervision, C. E. KNOUF, lumberman.

PLANTING.—E. F. WHITE, in charge. Savenac Nursery, D. S. Olson, planting assistant, in charge, Haugan, Mont.

PRODUCTS.—C. N. WHITNEY, forest examiner.

INSECT CONTROL.—LENTHALL WYMAN.

RESEARCH.— ———

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STUDIES.—L. C. HURTT, grazing examiner.

LANDS.—F. A. FENN, assistant district forester.

CLAIMS.—P. J. O'BRIEN, law examiner; F. R. INGALSBEE and E. D. GARDNER, mineral examiners.

SETTLEMENT.—J. W. STREIT.

LAND CLASSIFICATION.—C. B. SWIM, assistant.

ENGINEERING.—G. H. LAUTZ, district engineer.

MAPS AND SURVEYS.—G. H. LAUTZ, in charge.

Drafting.—K. D. SWAN.

Entry Surveys.—F. E. THIEME.

Topographic Surveys.— ———.

ROADS.—G. H. LAUTZ, in charge.

WATER POWER.—E. W. KRAMER, in charge.

EXPERIMENT STATION.

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NATIONAL FORESTS.

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- Custer.**—J. C. WHITHAM, forest supervisor, Miles City (WU) ; O. C.
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- Deerlodge.**—LEWIS C. STOCKDALE, forest supervisor, Anaconda (P) ;
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WASHINGTON.

- Kaniksu.**— ———, forest supervisor, Newport, Wash. (WU via Priest
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examiner.

DISTRICT 2.

Colorado, Wyoming, South Dakota, Nebraska, northern Michigan, and
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SMITH RILEY, district forester; W. I. HUTCHINSON, information and recreation.

LAW.—Office of the Solicitor (Forest Service branch). GEO. E. TROWBRIDGE, assistant to the solicitor, in charge.

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FOREST INVESTIGATIONS.—C. G. BATES.

CARL HARTLEY, consulting pathologist, Denver, Colo.

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Drafting.—H. C. ORPEN.

Entry Surveys.—W. C. CAMPBELL.

ROADS.—R. E. PRATT, in charge.

WATER POWER.—A. G. LINCOLN, hydroelectrical engineer.

EXPERIMENT STATIONS.

Fremont, Pike National Forest.—C. G. BATES, Manitou, Colo.

Wagon Wheel Gap, Rio Grande National Forest.—J. H. JARBOE, of the Weather Bureau, Wagon Wheel Gap, Colo.

NATIONAL FORESTS.

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Battlement.—JOHN W. SPENCER, forest supervisor, Grand Junction (WU).

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- Gunnison.**—WILLIAM R. KREUTZER, forest supervisor, Gunnison (WU) ; Percy T. Smith, forest examiner.
- Hayden.**—See Wyoming.
- Holy Cross.**—HARRY H. FRENCH, forest supervisor, Glenwood Springs (WU) ; Peter Keplinger, forest examiner.
- Leadville.**—R. E. CLARK, forest supervisor, Leadville (WU, P).
- Montezuma.**—GORDON PARKER, forest supervisor, Mancos (WU) ; Charles Steuart, forest examiner.
- Pike.**—THEO. SHOEMAKER, forest supervisor, Denver (WU, P) ; Carl M. Stanley, deputy forest supervisor ; Everard S. Keithley, forest examiner. Monument Nursery, W. H. Schrader, forest planting assistant, in charge, Monument.
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- Routt.**—RAY PECK, forest supervisor, Steamboat Springs (WU) ; A. L. Richey, deputy forest supervisor.
- San Isabel.**—ALBIN G. HAMEL, forest supervisor, Westcliffe (WU).
- San Juan.**—A. F. C. HOFFMAN, forest supervisor, Pagosa Springs (WU) ; Chas. B. Mack, deputy forest supervisor.
- Sopris.**—ARTHUR T. UPSON, forest supervisor, Aspen (WU) ; Willard C. Hassel, forest examiner.
- Uncompahgre.**—J. W. LOWELL, Jr., forest supervisor, Delta (WU) ; Harold L. Borden, forest examiner.
- White River.**—JAMES A. BLAIR, forest supervisor, Glenwood Springs (WU) ; Theodore Krueger, forest examiner.

MICHIGAN.

- Michigan.**—HUBER C. HILTON, forest supervisor, East Tawas (WU). Beal Nursery, East Tawas.

MINNESOTA.

- Minnesota.**—G. E. MARSHALL, forest supervisor, Cass Lake (WU). Cass Lake Nursery, H. H. Richmond, forest examiner, in charge.
- Superior.**—LESLIE BROWNELL, forest supervisor, Ely (WU) ; Robert G. Schreck, forest examiner.

NEBRASKA.

- Nebraska.**—JAY HIGGINS, forest supervisor, Halsey (WU). Morton Nursery, Nenzil. Bessey Nursery, Harry C. Turner, forest planting assistant, in charge, Halsey.

SOUTH DAKOTA.

Black Hills.—GEORGE A. DUTHIE, forest supervisor, Deadwood (WU) ; William Wiehe, deputy forest supervisor ; L. E. Hitchcock, forest examiner ; Earl W. Tinker, forest examiner.

Harney.—JAMES F. CONNER, forest supervisor, Custer (WU) ; Bernard E. Leete, forest examiner.

WYOMING.

Bighorn.—RESS PHILIPS, forest supervisor, Sheridan (WU) ; Andrew G. Stockwell, deputy forest supervisor.

Black Hills.—See South Dakota.

Hayden.—JAMES BLACKHALL, forest supervisor, Encampment (WU, P) ; Robert H. Easterbrooks, forest examiner.

Medicine Bow.—EARL S. PEIRCE, forest supervisor, Laramie (WU, P) ; Louis E. Coughlin, deputy forest supervisor ; Andrew Hutton, forest examiner.

Shoshone.—R. W. ALLEN, forest supervisor, Cody (WU) ; E. T. Wolf, forest examiner.

Washakie.—C. G. POOLE, forest supervisor, Lander (WU).

DISTRICT 3.

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SILVICULTURE.—H. H. CHAPMAN, assistant district forester ; D. M. LANG, lumberman ; QUINCY RANGLES, forest examiner.

W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester ; PAUL H. ROBERTS, inspector of grazing.

STUDIES.—R. R. HILL, grazing examiner.

LANDS.—FRANK C. W. POOLER, assistant district forester ; FRANK E. ANDREWS, national forest examiner. Classification ; REX KING, forest examiner.

ENGINEERING.—C. A. LONG, district engineer.

MAPS AND SURVEYS.—LEE C. DAVES, in charge.

Drafting.— ———.

Entry Surveys.—FRANK D. YOST, surveyor.

ROADS.—C. A. LONG, in charge.

WATER POWER.—C. A. LONG, in charge.

EXPERIMENT STATION.

Fort Valley, Coconino National Forest.—G. A. PEARSON, forest examiner, in charge, Flagstaff, Ariz.

NATIONAL FORESTS.

ARIZONA.

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Coconino.—RAYMOND E. MARSH, forest supervisor, Flagstaff (WU, P); Lorenzo B. Maxwell, deputy forest supervisor; Leonard R. Lessel and James W. Girdner, national forest examiners.

Coronado.—PAUL P. PITCHLYNN, forest supervisor, Tucson (WU); H. Basil Wales, forest examiner; Chas. L. Rak, deputy forest supervisor.

Crook.—T. T. SWIFT, forest supervisor, Safford (WU).

Prescott.—EDWARD G. MILLER, forest supervisor, Prescott (WU); J. C. McNelty, deputy forest supervisor.

Sitgreaves.—T. C. HOYT, forest supervisor, Snowflake (P); Kenner C. Kartchner, deputy forest supervisor.

Tonto.—W. H. GODDARD, forest supervisor, Roosevelt (WU); J. H. Sizer, deputy forest supervisor.

Tusayan.—IRA T. YARNALL, forest supervisor, Williams; Francis L. W. Grubb, deputy forest supervisor (WU, P).

GRAND CANYON NATIONAL MONUMENT.—T. EARL WYLDER, forest supervisor, Grand Canyon (P).

NEW MEXICO.

Carson.—ELLIOTT S. BARKER, forest supervisor, Taos (WU); Edward P. Ancona, deputy forest supervisor.

Coronado.—See Arizona.

Datil.—AUSBURN H. DOUGLAS, forest supervisor, Magdalena (WU, P); Robert Munro, national forest examiner; L. R. De Camp, deputy forest supervisor.

Gila.—FREDERIC WINN, forest supervisor, Silver City (WU, P); James A. Scott, deputy forest supervisor. Fort Bayard Nursery, Herman Krauch, forest examiner.

Lincoln.—O. F. ARTHUR, forest supervisor, Alamogordo (WU) ; William J. Anderson, deputy forest supervisor.
 Manzano.—JAMES F. MULLEN, forest supervisor, Albuquerque (WU, P) ; L. J. Putsch, deputy forest supervisor.
 Santa Fe.—JOSEPH C. KIRCHER, forest supervisor, Santa Fe (WU, P) ; Earl W. Loveridge, deputy forest supervisor ; Gordon T. Backus, forest examiner. Las Gallinas Nursery, Herman Krauch, forest examiner.

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PLANTING.—E. H. HALL, in charge. Cottonwood Nursery, N. J. Fetherolf, forest planting assistant, in charge, Murray, Utah (on Wasatch National Forest).

GRAZING.—HOMER E. FENN, assistant district forester ; ERNEST WINKLER, inspector of grazing.

STUDIES.—MARK ANDERSON, D. A. SHOEMAKER, and T. B. NICHOLS, grazing examiners.

LANDS.—C. N. WOODS, assistant district forester ; R. E. GERY, assistant ; W. B. RICE, in charge of entry surveys.

RESEARCH.—C. F. KORSTIAN, forest examiner, in charge.

ENGINEERING.—J. P. MARTIN, district engineer.

MAPS AND SURVEYS.—O. C. LOCKHART, Jr.

Drafting.—F. I. SHAFER, in charge.

ROADS.—J. P. MARTIN, in charge.

WATER POWER.—J. P. MARTIN, in charge.

EXPERIMENT STATION.

Great Basin, Manti National Forest.—ARTHUR W. SAMPSON, plant ecologist, in charge, Ephraim, Utah.

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—JOHN C. ROAK, forest supervisor, Kanab, Utah (WU).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU) ; Lyle F. Watts, deputy forest supervisor.

Cache.—See Utah.

Caribou.—C. D. SIMPSON, forest supervisor, Montpelier (WU) ; G. G. Henderson, deputy forest supervisor.

Challis.—DAVID LAING, forest supervisor, Challis (WU).

Idaho.—WALTER G. MANN, forest supervisor, McCall (WU, P) ; Clinton M. Mangun, deputy forest supervisor.

Lemhi.—CHAS. F. EVANS, forest supervisor, Mackay (WU).

Minidoka.—W. M. CAMPBELL, forest supervisor, Burley (WU) ; J. W. Stokes, forest examiner (on detail, Washington office).

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU) ; F. S. Moore, deputy forest supervisor.

Salmon.—S. C. SCRIBNER, forest supervisor, Salmon (WU) ; Ernest A. Renner, deputy forest supervisor.

Sawtooth.—HERBERT G. MCPHETERS, forest supervisor, Hailey (WU) ; Leslie E. Dodge, deputy forest supervisor.

Targhee.—SAM'L W. STODDARD, forest supervisor, St. Anthony (WU) ; John N. Kinney, deputy forest supervisor.

Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU) ; T. V. Pearson, deputy forest supervisor.

NEVADA.

Humboldt.—CHAS. DEMOISY, Jr., forest supervisor, Elko (WU) ; Alexander McQueen, deputy forest supervisor.

Nevada.—F. L. MOTT, forest supervisor, Ely (WU).

Toiyabe.—W. W. BLAKESLEE, forest supervisor, Austin (WU, P).

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU).

Cache.—E. C. SHEPARD, forest supervisor, Logan (WU) ; Raymond D. Garver, deputy forest supervisor.

Dixie.—WM. M. MACE, forest supervisor, St. George (WU).

Fillmore.—JOHN RAPHAEL, forest supervisor, Richfield (WU) ; A. M. Woodbury, deputy forest supervisor.
Fishlake.—C. A. MATSSON, forest supervisor, Salina (WU).
La Sal.—S. B. LOCKE, forest supervisor, Moab (WU).
Manti.—B. E. MATSSON, forest supervisor, Ephraim (WU).
Minidoka.—See Idaho.
Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU).
Sevier.—J. W. HUMPHREY, forest supervisor, Panguitch (WU) ; Wallace M. Riddle, deputy forest supervisor.
Uinta.—A. W. JENSEN, forest supervisor, Provo (WU).
Wasatch.—CARL B. ARENTSON, forest supervisor, Salt Lake City (WU, P) ; David A. Arrivee, deputy forest supervisor.
 Louis B. Koch, scaler, in charge of Standard Timber Co. sale.

WYOMING.

Bridger.—LEE E. COOPER, forest supervisor, Pinedale (WU) ; E. E. McKee, deputy forest supervisor.
Teton.—A. C. MCCAIN, forest supervisor, Jackson (WU).
Wyoming.—CHARLES A. BEAM, forest supervisor, Afton (WU).

DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome Street, San Francisco, Cal.

ROY HEADLEY, acting district forester.

INFORMATION.—R. F. HAMMATT, in charge ; J. D. MAXFIELD, in charge exhibits.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—A. W. SMITH, district fiscal agent.

OPERATION.—CLARENCE WILEY, national forest inspector, in charge.

TELEPHONE ENGINEERING.—FREDERICK H. HAFLEY, telephone engineer.

MAINTENANCE.—FRANK HAYNIE.

SILVICULTURE.—T. D. WOODBURY, assistant district forester.

LOGGING ENGINEERING.—D. C. BIRCH, forest examiner.

TIMBER SALES.—J. C. ELLIOTT, lumberman.

TIMBER SURVEYS.—O. M. EVANS, forest examiner.

PLANTING.—STUART B. SHOW, forest examiner.

INSECT CONTROL.—RALPH HOPPING, national forest examiner.

FOREST PATHOLOGY.—E. P. MEINECKE, consulting pathologist.

GRAZING.—C. E. RACHFORD, assistant district forester.

STUDIES.—F. D. DOUTHITT, grazing examiner.

LANDS.—L. A. BARRETT, assistant district forester ; CHAS. S. BROTHERS, national forest inspector.

MINERAL EXAMINATION.—W. H. FRIEDHOFF, mineral examiner.

LAND CLASSIFICATION AND ENTRY SURVEYS.—P. L. DAY, national forest examiner in charge of field work.

ENGINEERING.—J. C. DORT, acting district engineer.

MAPS AND SURVEYS.—J. C. DORT, in charge.

Drafting.—R. E. L. BORGFELDT.

ROADS.—J. C. DORT, in charge.

WATER POWER.—J. C. DORT, in charge.

PRODUCTS.—CARY L. HILL, forest examiner, acting in charge.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P).

California.—J. D. COFFMAN, forest supervisor, Willows (WU—Exp. via Fruto) ; B. H. Mace, deputy forest supervisor.

Cleveland.—M. R. TILLOTSON, forest supervisor, Escondido (WU).

Eldorado.—EDWARD I. KOTOK, forest supervisor, Placerville (WU).

Inyo.—C. E. JORDAN, forest supervisor, Bishop (WU).

Klamath.—W. A. HUESTIS, forest supervisor, Yreka (WU).

Lassen.—JAMES O. MORROW, forest supervisor, Red Bluff (WU) ; T. C. West, deputy forest supervisor.

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU).

Mono.—See Nevada.

Monterey.—J. R. HALL, forest supervisor, Santa Barbara (P).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU) ; George R. Orr, lumberman.

Santa Barbara.—J. R. HALL, forest supervisor, Santa Barbara (P).

Sequoia.—F. P. CUNNINGHAM, forest supervisor, Bakersfield (WU) ; George W. Lyons, deputy forest supervisor.

Shasta.—N. H. SLOANE, forest supervisor, Sisson (P) ; Belknap C. Goldsmith, forest examiner. Pilgrim Creek Nursery.

Sierra.—M. A. BENEDICT, forest supervisor, Northfork (WU via Friant—Exp. via Friant) ; J. V. Wulff, lumberman.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU).

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU).

Trinity.—E. V. JOTTER, forest supervisor, Weaverville (WU).

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; A. G. JACKSON, education.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge.

ACCOUNTS.—H. I. LOVING, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester; M. L. MERRITT, assistant in improvement work; C. M. ALLEN, telephone engineer; H. M. WHITE, national forest inspector; W. B. OSBORNE, Jr., and H. L. PLUMB, forest examiners.

MAINTENANCE.—H. M. WHITE.

INSPECTION (Protection of Oregon & California Railroad lands and cooperation under Weeks law).—R. H. CHAPLER, forest examiner.

SILVICULTURE.—THORNTON T. MUNGER, forest examiner, in charge; W. T. ANDREWS, logging engineer; EDWIN C. ERICKSON, lumberman; BRUCE E. HOFFMAN, T. J. STARKER, G. A. BRIGHT, and A. A. GRIFFIN, forest examiners; A. J. JAENICKE, forest examiner on insect control.

PLANTING.—J. F. KÜMMEL, forest examiner.

GRAZING.—E. N. KAVANAGH, assistant district forester; J. L. PETERSON, grazing examiner.

LANDS.—C. J. BUCK, assistant district forester.

CLAIMS AND STATIONS.—FRANK A. LAW, Jr., clerk.

LAND CLASSIFICATION.—J. ROY HARVEY, national forest examiner; ASHER IRELAND and T. M. TALBOTT, assistants.

SETTLEMENT.—A. H. WRIGHT, national forest examiner.

ENTRY SURVEYS.—GEO. W. ROOT and E. R. JOHNSON, surveyors.

WASHINGTON STATE LAND EXCHANGE.—STANTON G. SMITH, forest supervisor; WM. RYLE TEED, national forest examiner.

ENGINEERING.—P. H. DATER, district engineer.

MAPS AND SURVEYS.—————.

Drafting.—R. H. ROBERTSON.

Surveys.—CECIL A. LORD.

WATER POWER.—R. R. RANDELL.

PRODUCTS.—L. A. NELSON, logging engineer, in charge.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Stabler, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU); Thomas M. Hunt, forest supervisor, Seward (WU, P).

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU) ; B. F. Heintzleman, deputy forest supervisor ; R. E. Kan Smith, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P) ; R. S. Wallace, forest examiner.

Crater.—H. B. RANKIN, forest supervisor, Medford (WU, P) ; H. D. Foster, deputy forest supervisor ; Fred A. Matz, national forest examiner.

Deschutes.—NORMAN G. JACOBSON, forest supervisor, Bend (WU, P) ; H. E. Vincent, deputy forest supervisor ; W. J. Sproat, forest examiner ; F. V. Horton and John C. Kuhns, grazing examiners.

Fremont.—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev., P) ; R. A. Bradley and D. F. Brennan, deputy forest supervisors.

Klamath.—See California.

Malheur.—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker-Exp. via Baker).

Minam.—R. M. EVANS, forest supervisor, Baker (WU) ; J. F. Irwin, deputy forest supervisor.

Ochoco.—V. V. HARPHAM, forest supervisor, Prineville (WU, PT & T) ; Douglas C. Ingram, grazing examiner.

Oregon.—T. H. SHERRARD, forest supervisor, Portland (WU, P) ; Carl B. Neal, deputy forest supervisor.

Santiam.—C. C. HALL, forest supervisor, Albany (WU, P).

Siskiyou.—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P) ; H. A. Haefner, forest examiner.

Siuslaw.—RALPH S. SHELLEY, forest supervisor, Eugene (WU, P) ; C. T. Beach, deputy forest supervisor ; H. M. Johnson, forest examiner.

Umatilla.—W. W. CRYDER, forest supervisor, Pendleton (WU, P).

Umpqua.—S. C. BARTRUM, forest supervisor, Roseburg (WU, P) ; George Bonebrake, deputy forest supervisor.

Wallowa.—H. W. HARRIS, forest supervisor, Wallowa (WU) ; N. J. Billings, deputy forest supervisor.

Wenaha.—See Washington.

Whitman.—R. M. EVANS, forest supervisor, Baker (WU) ; I. E. Jones, deputy forest supervisor ; T. J. Starker, George L. Drake, and A. R. Wilcox, forest examiners ; Walter L. Dutton, grazing examiner.

WASHINGTON.

- Chelan.—E. H. MACDANIELS, forest supervisor, Chelan (PT & T-Exp. via Wenatchee).
- Columbia.—F. H. BRUNDAGE, forest supervisor, Portland, Oreg. (WU, P).
- Colville.—C. C. REID, forest supervisor, Republic (WU, P); F. W. Cleator, deputy forest supervisor.
- Okanogan.—P. T. HARRIS, forest supervisor, Okanogan (PT & T-Exp. via Wenatchee); G. E. Mitchell, deputy forest supervisor.
- Olympic.—R. L. FROMME, forest supervisor, Olympia (WU, P); Chris Morgenroth, deputy forest supervisor; E. J. Hanzlik and O. F. Ericson, forest examiners.
- Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P); E. J. Fenby, deputy forest supervisor; F. B. Kellogg; forest examiner.
- Snoqualmie.—STANTON G. SMITH, forest supervisor, Seattle (WU, P); Lewis A. Treen, jr., deputy forest supervisor.
- Washington.—C. H. PARK, forest supervisor, Bellingham (WU, P); R. L. Campbell, deputy forest supervisor.
- Wenaha.—L. E. MCDANIELS, forest supervisor, Walla Walla (WU).
- Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU).

DISTRICT 7.

Arkansas, Alabama, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire, Maine, Porto Rico. Office, Atlantic Building, Washington, D. C.

F. W. REED, acting district forester.

ACCOUNTS.—J. H. KERRICK, district fiscal agent.

OPERATION.—H. O. STABLER, assistant district forester.

SILVICULTURE.—F. W. REED, assistant district forester.

GRAZING.—F. W. REED, assistant district forester.

LANDS.—F. W. REED, assistant district forester; W. F. HILL, land classification.

ENGINEERING.—H. O. STABLER, assistant district forester, R. C. HUEY, roads.

NATIONAL FORESTS.

ALABAMA.

Alabama.—E. J. MEAD, forest examiner, in charge, Moulton.

ARKANSAS.

Arkansas.—JOHN L. COBBS, Jr., forest supervisor, Hot Springs (WU, P) ;
C. N. Hammond, deputy forest supervisor.
Ozark.—C. J. HELLER, forest supervisor, Russellville (WU).

FLORIDA.

Florida.—L. L. BISHOP, forest supervisor, Pensacola (WU, P) ; C. H. Rogers, deputy forest supervisor.

GEORGIA.

Cherokee-Georgia.—H. G. SPAHR, forest supervisor, Blue Ridge (WU, P).
Savannah (includes south half of Nantahala and the Savannah purchase areas).—R. W. SHIELDS, forest supervisor, Clayton (WU, P).

MAINE.

White Mountain.—See New Hampshire.

NEW HAMPSHIRE.

White Mountain.—J. J. FRITZ, forest supervisor, Gorham (WU, P).

NORTH CAROLINA.

Pisgah (includes Boone, Mount Mitchell, north half of Nantahala, and Pisgah purchase areas and Pisgah National Forest and Game Preserve).—RUDOLPH DIEFFENBACH, forest supervisor, Asheville (WU, P) ; J. ST. J. BENEDICT, forest examiner, timber sales.

OKLAHOMA.

Wichita.—FRANK RUSH, forest supervisor, Cache (WU).

PORTO RICO.

Luquillo.—E. MURRAY BRUNER, forest supervisor, Rio Piedras.

SOUTH CAROLINA.

Savannah.—See Georgia.

TENNESSEE.

White Top (includes Unaka and White Top purchase areas).—H. L. RUSSELL, forest examiner in charge, Johnson City (WU, P) ; E. P. Bushnell, forest examiner, timber sales.

Cherokee.—See Georgia.

VIRGINIA.

Natural Bridge.—J. H. FAHRENBACH, forest supervisor, Buena Vista (WU, P).

Shenandoah (includes Shenandoah, Massanutten, and Potomac purchase areas).—S. H. MARSH, forest supervisor, Harrisonburg (WU, P).

White Top.—See Tennessee.

WEST VIRGINIA.

Monongahela.—H. L. JOHNSON, forest examiner, in charge, Elkins (WU, P).

SERVICE CHANGES.

FURLOUGHED FOR MILITARY DUTY.

FORESTER.—Daniel D. Bronson, general inspector.

ACQUISITION.—Charles E. Beaumont, forest examiner; George F. Greenleaf, forest assistant; Walter H. Sullivan, examiner of surveys; Arthur A. Reimer, Rezin E. Pidgeon, transitmen; Everett B. Stone, jr., assistant forest ranger.

ENGINEERING.—Rolla R. Sabine, draftsman.

LABORATORY.—Francis S. Gombar, Herbert L. Dohr, Saul S. Switzky, laboratory helpers; Otto R. Stadelman, Lynn L. Lillesand, computing clerks.

DISTRICT 1.—Guy M. Brandborg, Helena; C. F. Martineau, jr., Lewis and Clark; R. N. Cunningham, Nezperce; Francis W. Horrigan, Missoula; Harry G. Ade, forest rangers. E. D. Crittenden, St. Joe, scaler; Herbert W. Johnston, grazing assistant; Harold G. Townsend, draftsman (surveyor).

DISTRICT 2.—John A. Lubbe, Nebraska, forest clerk; Clair V. Cooke, Black Hills; Richard R. Riggs, Hayden; Edward H. Stickney, Michigan; Harry L. Norris, San Juan; Merrill Snyder and Clifford C. Spencer, Shoshone, forest rangers. Herbert F. Hedge, draftsman (copyist, topographic).

DISTRICT 3.—George L. Beckwith, clerk (stenographer and typewriter); Frank E. Washburn, draftsman (copyist, topographic).

DISTRICT 4.—Walter Berry, Boise; Harry A. Cheesman, Bridger; Virgil C. Lamb, Sawtooth; Bruce L. Coulter and Walter A. Estep, Teton; Clarence D. Huestis, Weiser, forest rangers. Charles E. Russell, Boise; Harrold C. Haglund, Idaho; Howard J. Stratford, Minidoka; Loren Shurtz, Powell; John A. O'Connell, Salmon; Lewis R. Walgren, Sowtooth, forest clerks. Edmund B. Spencer, Cache, deputy forest supervisor; Hamner M. Christensen, Manti, ranger clerk.

DISTRICT 5.—Frederick H. Fowler, district engineer; Claude W. Sopp, junior engineer.

DISTRICT 6.—Frederic V. Bradford, Clyde A. Nettleton, Paul W. Robbins, and Clifford W. Welty, forest rangers. Mont V. Livingston, clerk.

DISTRICT 7.—Julius G. Siler, Savannah; Tollie T. Hall, Arkansas; John W. Crisman, Shenandoah; Howard Coberly, Monongahela; Troy A. Simpkins, Wichita, forest rangers. Thomas E. Huffman, Natural Bridge, clerk.

APPOINTED.

LABORATORY.—John A. Jess, consulting engineer; Herman N. Pettibone, box inspector; Lawrence V. Teesdale, architectural assistant in forest products; William S. Broome, Ernest D. Fahlberg, Ralph E. Johnston, Ronald F. Luxford, Charles B. Norris, Harry J. Rosenthal.

Samuel Schwartz, Louis Seutter, E. Page Tracy, James R. Watkins, Willard S. Wilder, Raymond M. Wirka, assistant engineers in forest products.

DISTRICT 1.—Bertha F. Wachter, Coeur d'Alene; Eva Anderson, clerks (typewriters).

DISTRICT 2.—Cora L. Jorgensen, Leadville, clerk (typewriter); Helen Haller, Medicine Bow, clerk (stenographer and typewriter); Cedric F. Morey, Michigan, forest ranger. Mrs. Anna Clover and Gertrude M. Hampson, clerks (stenographers and typewriters); Olive Hensley, clerk (typewriter).

DISTRICT 3.—Grace Love, Apache, clerk (typewriter); Lewis W. Lynch, Carson, forest ranger; Luise C. Lieser, Datil, forest clerk; Willard M. Drake, Lincoln, forest examiner. Mrs. Edna Rogers Hyre, clerk (stenographer); Berenice M. Palmer, clerk (typewriter); Mrs. Laurine Raike, clerk (stenographer and typewriter).

DISTRICT 4.—Marion Berlin, Humboldt; Ruth S. Morris, Toiyabe, clerks (stenographers and typewriters). Wallace S. Averill, Weiser, forest ranger.

DISTRICT 5.—Charles O. Leonard, Modoc; John H. Sanborn, Angeles; Archie W. Hughes, Eldorado; Leon J. Cranston and Ray Stevenson, Sequoia; Frank E. Dunne, Santa Barbara; Creston L. Boothe, Sierra, forest rangers. Catherine V. Davies, clerk (stenographer and typewriter).

DISTRICT 6.—Oscar F. Bergman, William D. Foreman, Stanley A. Barton, Dewey E. Gilman, forest rangers. Mae L. Thomas, Helen V. Weeks, Maude Sheidler, Jane L. Curtis, Mrs. Hannah K. Dunham, clerks (stenographers and typewriters). Harold M. Schusler, clerk (typewriter).

PROMOTED IN RANK.

RESEARCH.—Georgia E. Wharton, clerk to assistant in forest distribution; Rufus K. Helphenstine, jr., clerk to statistician in forest products.

LABORATORY.—Oscar M. Wold, clerk to fiscal agent; Arthur Koehler, xylotomist to specialist in wood structure; Joseph W. Collette, clerk to property custodian.

DISTRICT 1.—H. R. Flint, Flathead, forest assistant to forest examiner.

DISTRICT 2.—William R. Fraser, Durango, deputy forest supervisor to forest supervisor; Wallace J. Pearce, Colorado, forest examiner to deputy forest supervisor; Alve L. Richey, Routt, forest ranger to deputy forest supervisor; Louis E. Coughlin, Medicine Bow, forest clerk to deputy forest supervisor; Robert H. Easterbrooks, Hayden; Charles Steuart, Montezuma; Willard C. Hassel, Sopris; Robert G. Schreck, Superior, forest rangers to forest examiners.

DISTRICT 3.—Claude W. McKenzie, Coconino, forest ranger to deputy forest supervisor; Earl W. Loveridge, Santa Fe, deputy forest super-

visor to forest supervisor; Chester V. Christensen, Tusayan, forest ranger to deputy forest supervisor; Paul Henley Roberts, grazing examiner to inspector of grazing; Otto P. Schoenberg, forest ranger to national forest examiner.

DISTRICT 4.—Raymond D. Garver, Cache, forest examiner to deputy forest supervisor; James E. Scott, clerk to national forest inspector.

DISTRICT 6.—Daniel F. Brennan, clerk to deputy forest supervisor; H. Lansing Plumb, forest assistant to forest examiner; Christ Morgenroth, forest ranger to deputy forest supervisor; Robert J. O'Farrell, forest ranger to scaler; Lewis A. Treen, jr., deputy forest supervisor to forest supervisor; Asher Ireland, forest ranger to national forest examiner.

CHANGE IN DESIGNATION.

SILVICULTURE.—Edward E. Carter, forest inspector to assistant forester.

DISTRICT 1.—Anson B. Hodgins, Lolo, ranger to scaler.

DISTRICT 3.—Lee R. DeCamp, Datil; Llewellyn J. Putsch, Manzano, forest rangers to deputy forest supervisors.

DISTRICT 5.—George R. Orr, Plumas; J. V. Wulff, Sierra, forest examiners to lumbermen.

DISTRICT 7.—Rudolph Dieffenbach, forest examiner to forest supervisor.

RESIGNED.

EDITOR.—Findley Burns, chief of publication.

ACQUISITION.—Wm. R. Barbour, forest examiner; Tivit C. Cuthbertson, forest ranger.

RESEARCH.—Samuel T. Dana, assistant chief, forest investigations.

LABORATORY.—George C. McNaughton, engineer in forest products; Francis C. Coulson, assistant chemist in forest products; Peter Skurdalsvold, assistant engineer in forest products.

DISTRICT 1.—J. F. Forsythe, Kaniksu, forest supervisor; Nels Johnson, Coeur d'Alene; S. W. Murdock, Flathead, scalers. Louis H. Foote, Coeur d'Alene, lumberman; J. Roy Brownlie, Sioux, forest assistant; Wesley A. D'Ewart, Absaroka; Wm. A. Kerlee, Bitterroot; Peter De Groot, Blackfeet; Robert Scarlett, Cabinet; Sherwood S. McEwan, Kaniksu; B. E. Mooney, Kootenai; F. W. Gumaer, Pend Oreille, forest rangers. Mrs. Ada M. Argall, Beartooth; A. M. Caisse, Custer; D. B. Thompson, Kootenai, forest clerks. Elizabeth J. Simpson, St. Joe, clerk (typewriter); Inez Hilley, Jefferson; Mary E. Isaminger, Kaniksu; Mrs. Ruby M. Brome, clerks (stenographers and typewriters).

DISTRICT 3.—John A. Adams, Apache, deputy forest supervisor; Prudence M. Faddis, Apache; Audrey Bates, Datil; Mary T. Timpe, Prescott, clerks (typewriters). A. Tabitha Speer, Datil; Ethel M. Bartell, Gila; Orwyn P. Veach, Lincoln, clerks (stenographers and typewriters). Albert J. Abbott, Coronado; George H. Currie and Howard A. Thrall, Gila;

Eddy E. Hudman, Lincoln; Hubert N. Kimbrough, Manzano; Frederick H. Smith, Tusayan, forest rangers. Willard M. Drake, Lincoln, forest examiner; Frank E. Norton, Santa Fe, scaler. Herbert B. Herms, clerk; Hugh M. Bryan, grazing examiner; Josephine Dye, Blanche I. Porterfield, and Opal H. Silcox, clerks (stenographers and typewriters).

DISTRICT 2.—Francis M. Harless, Battlement, forest clerk; Marie A. Bennett, Medicine Bow, clerk (stenographer and typewriter); Lesley E. Griffiths and Newell E. Hibbard, Black Hills; Cassius M. Thomas, Cochetopa; Alfred T. Lee, Colorado; Ross M. Lambdin, Gunnison; J. G. Blaine, Harney; Samuel Harry Clay, Leadville; Frank McDaniel, San Juan; Bertram J. Ray, Uncompahgre; Charles O. Griffin, Black Hills; Fred Stell, White River, forest rangers. Theodore W. Venemann, clerk; Alice M. Brown, clerk (stenographer and typewriter).

DISTRICT 4.—Dagbert M. Adair, Fishlake; Frank Foster, Idaho; LeRoy E. Bennauer, Wasatch, forest rangers. Alice H. Venable, Idaho, clerk (stenographer and typewriter); Lee A. Harris, Kaibab, forest supervisor; Thomas T. Califro, Toiyabe, forest clerk; Raymond G. Steele, Toiyabe, deputy forest supervisor.

DISTRICT 5.—Charles M. Knuthson, Plumas; Carl L. Abbott, Santa Barbara; Robert A. McInroy and James U. Poore, Shasta; Wade H. Atkeson, Cleveland; James F. Davis, Modoc, forest rangers. William B. Rider, Klamath, forest supervisor; Katherine M. Schuck, Civil Service Commission, clerk (stenographer and typewriter). Anna E. Nolte and Irene J. Dunphy, clerks (stenographers and typewriters); Theodore V. Tronoff, draftsman.

DISTRICT 6.—Harvey J. Lickel, Frank L. Carlson, Arthur W. Parker, Earl B. Moore, Robert H. Harper, Oscar E. Kerstetter, Charles W. Weyburn, Charles F. Mack, forest rangers. Alice E. Ure, Edith C. Wall, Mrs. Hannah K. Dunham, clerks (stenographers and typewriters). Frank A. Johnson, Mrs. Georgene L. Miller, forest clerks. Roy B. Love; messenger; Earl A. Gregg and Garrett B. Holloway, clerks (typewriters). Allen H. Hodgson, forest examiner; Thomas P. Mackenzie, assistant district forester; John M. Schmitz, forest supervisor.

DISTRICT 7.—Verne Rhoades, Pisgah, forest supervisor; Wesley B. Harrison and Robert M. Evans, Ozark; Monroe M. Plemmons, Arkansas, forest rangers. Martin C. Bowers, White Top, assistant forest ranger.

DISMISSED.

DISTRICT 4.—Joseph F. Anderson, Manti, forest ranger.

With deep regret announcement is made of the death of Rudolph E. Mellenthin, forest ranger, La Sal, August 23, and C. D. Cushing, lumberman, Acquisition, September 22.

SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

United States *v.* F. J. Bennett: Grazing trespass, civil, Gallatin National Forest. Case closed upon receipt of \$24, value of forage consumed.

United States *v.* Great Northern Railway Co.: Fire trespass, civil, Kootenai National Forest. Case closed upon receipt of \$162.22, value of timber damaged.

United States *v.* Milwaukee Lumber Co. and Fidelity & Deposit Co. of Maryland: Proceedings on contract and bond. Suit instituted for recovery of \$3,344.25, value of timber cut by defendant lumber company from Joseph Robicheau homestead.

United States *v.* John Zosel: Grazing trespass, civil, Helena National Forest. Case closed upon payment of fees in the sum of \$9.75 to the Cottonwood-Helena Cattle Association.

Law Cases in District 2—

United States *v.* Gold Mining Co.: Fire trespass, Black Hills National Forest. Case closed on payment of damages in full, amounting to \$24.75.

United States *v.* T. W. Ames: Grazing trespass, Shoshone National Forest. Case closed on payment of damages in full, amounting to \$17.60.

United States *v.* Sarah Hopson, Estate: Occupancy trespass, Leadville National Forest. Case closed on payment of damages in full, amounting to \$28.98.

United States *v.* Rim Rock Ranch Co.: Grazing trespass, Shoshone National Forest. Payment received in full in the sum of \$82.62 and the case closed.

United States *v.* Virginia & Rainy Lake Co.: Fire trespass, Superior National Forest. Trial held at Duluth, July 11. At the conclusion of the Government's testimony the motion of the defendant for directed verdict, on the ground that the plaintiff's evidence was insufficient, was granted. No appeal was taken and case closed.

United States v. Colorado Power Co.: Occupancy trespass, Holy Cross National Forest. Suit to enjoin operation of the company's power plant at Shoshone, Colo., until permit was secured. First order of the court, reported in 240 Fed., 217, was made final February 11, 1918, upon the payment by the defendant into the Registry of the Court of the sum of \$5,815.55, covering the charges for the use of the lands up to January 1, 1915. Upon recommendation of the Forester that no appeal be taken from the court's decree, the case was closed.

United States v. Carbon Timber Co.: Timber trespass, Hayden National Forest. The judgment reported in the July Field Program was paid, with interest, amounting to \$5,051.62, and case closed.

United States v. Colorado Power Co.: Special transmission line, Holy Cross, Leadville, Pike, and Sopris National Forests. Suit to recover payments due under special-use permit for transmission line across the Holy Cross, Leadville, Pike, and Sopris National Forests. This case was referred to Department of Justice several years ago, but institution of suit was delayed pending the determination of the suit above referred to against the same company involving the Shoshone power plant. After the final order in that case the company paid the amount due under the permit up to February 28, 1918, amounting to \$5,403.67. Case was accordingly closed.

Harrington v. Kelleter & Frink: Injunction proceedings, Black Hills National Forest. Suit by mining claimant against the supervisor and timber purchaser for injunction and damages on account of the sale and cutting of timber from certain of Harrington's mining locations, Harrington claiming that the written consent which he gave the supervisor did not cover the claims from which the timber was cut. Settlement was arranged before final hearing and the case dismissed.

United States v. Charles Hidley: Occupancy trespass, Bighorn National Forest. Bill to enjoin unlawful occupancy filed.

United States v. Herman Hartman: Fire trespass, criminal, Shoshone National Forest. Defendant pleaded guilty on February 6, 1918, to violation of section 53 of Penal Code and was fined \$10. The fine not having been paid, the United States attorney, on September 10, issued execution.

United States v. Wm. Kyler: Fire trespass, criminal, Bighorn National Forest. July 6, 1917, defendant pleaded guilty to violation of section 53 of Penal Code and was fined \$50 and costs. Fine not having been paid, the United States attorney, on September 10, issued execution.

United States v. Geo. Truelson: Grazing trespass, Montezuma National Forest. Case closed upon payment of actual damages, amounting to \$62.69.

United States v. John Samuelson: Fire trespass, Michigan National Forest. Case closed upon payment of damages in full, amounting to \$18.46.

Law Cases in District 3—

United States v. W. F. Purcell: Grazing trespass, Prescott National Forest. Case closed on payment of \$16.26, actual damages.

United States v. W. C. Martin: Grazing trespass, Apache-Datil National Forests. Case closed on payment of \$17.25, actual damages.

United States v. Max H. Montoya: Grazing trespass, Datil National Forest. Case closed on payment of \$425.25, actual damages.

United States v. T. B. Longwell: Timber trespass, Lincoln National Forest. Case closed on payment of \$65, actual damages.

United States v. Clyde and Mrs. Josie McPherson: Grazing trespass, Coronado National Forest. Case closed on payment of \$32, actual damages.

United States v. Mrs. May McKeen: Grazing trespass, Gila-Apache National Forests. Case closed on payment of \$322.83, actual damages.

United States v. Hugh Bronson McKeen: Grazing trespass, Gila-Apache National Forests. Case closed on payment of \$136.78, actual damages.

United States v. L. P. Glasscock: Grazing trespass, Lincoln National Forest. Case closed on payment of \$114, actual, and \$50, punitive damages.

United States v. Pablo Montoya: Grazing trespass, Santa Fe National Forest. Case closed on payment of \$2.55, actual damages.

United States v. Sawyer & Otondo: Grazing trespass, Sitgreaves National Forest. Case closed on payment of \$3.75, actual damages.

United States v. W. W. Perkins: Grazing trespass, Prescott National Forest. Case closed on payment of \$61.75, actual damages.

United States v. James Wingfield: Grazing trespass, Coconino National Forest. Case closed on payment of \$4,702.80, actual damages.

United States v. D. W. Wingfield: Grazing trespass, Coconino National Forest. Case closed on payment of \$3,219, actual damages.

United States v. George Thompson: Grazing trespass, Apache National Forest. Case closed on payment of \$82.50, actual damages.

United States v. Pearce & Pettis: Grazing trespass, Sitgreaves National Forest. Case closed on payment of \$418.50, actual damages.

United States v. Manuel A. Trujillo: Grazing trespass, Carson National Forest. Case closed on payment of \$54.60, actual, and \$40, punitive damages.

United States v. W. C. Parks: Grazing trespass, Lincoln National Forest. Case closed on payment of \$205.80, actual damages.

United States v. C. O. Wills: Grazing trespass, Crook National Forest. Case closed on payment of \$11.52, actual damages.

United States v. W. K. Brown: Grazing trespass, Tusayan National Forest. Case closed on payment of \$122.67, actual damages.

United States v. Hugh McKeen: Grazing trespass, Apache-Gila-Datil National Forests. Case closed on payment of \$1,809.92, actual damages.

United States *v.* Jesse B. Kellam: Grazing trespass, Coconino National Forest. Information prepared. Case set for trial. Arrest made. Defendant agrees to plead guilty and pay a fine, and offers settlement of civil damages amounting to \$780. This sum remitted in settlement.

United States *v.* Fred Howard: Grazing trespass, Manzano National Forest. Judgment for actual damages \$22.50 with costs approximating \$250 entered by consent.

United States *v.* Dick Shults: Occupancy trespass, Tusayan National Forest. Trespass terminated and case dismissed by United States attorney on recommendation of this office. Case closed.

United States *v.* Keene & Roseberry: Grazing trespass, Gila National Forest. \$85.78 costs paid. Permanent injunction issued last January.

State of New Mexico *v.* Juan W. Carrejo, Datil National Forest. Case dismissed by prosecuting attorney after failure of the grand jury of the county to indict.

United States *v.* Clemente Mestas: Occupancy trespass, Santa Fe National Forest. United States attorney advised Forest Service willing to list land, and ejectment proceedings may be dismissed.

United States *v.* J. F. Hutchinson: Fire trespass, Carson National Forest. Information prepared charging failure totally to extinguish fire built by defendant in a National Forest.

United States *v.* W. C. Ross: Occupancy trespass, Coconino National Forest. Case in hands of United States attorney for injunction proceedings to terminate illegal occupancy.

United States *v.* John Rickard: Occupancy trespass, Lincoln National Forest. Case in hands of United States attorney for injunction proceedings to terminate illegal occupancy. Trespasser inducted into Army through draft. Action postponed.

United States *v.* Joe Stephens: Fire trespass, Lincoln National Forest. Commissioner's warrant in hands United States marshal for service. Case referred to Forester for reference to Department of Justice as basis for prosecution under section 52, United States Penal Code.

United States *v.* Gaspar Suarez: Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Antonio Suarez: Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Martin E. Echenique: Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Jose Echenique: Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* Valentin Aja: Grazing trespass, Prescott National Forest. Information filed charging violation of grazing regulations.

United States *v.* J. L. Wall: Grazing trespass, Coconino National Forest. Case closed on payment of \$24, actual damages.

United States *v.* Jose Ruiz: Grazing trespass, Crook National Forest. Case closed on payment of \$32.56, actual damages.

United States *v.* George H. Baumann: Grazing trespass, Tusayan National Forest. Case closed on payment of \$2.50, actual damages.

United States *v.* Mrs. F. M. Hardcastle: Grazing trespass, Lincoln National Forest. Case closed on payment of \$54.80, actual damages.

United States *v.* Julio Sancet: Grazing trespass, Coconino National Forest. Case closed on payment of \$158.95, actual damages.

United States *v.* Montosa Sheep Co.: Grazing trespass, Coconino National Forest. Case closed on payment of \$182.85, actual damages.

United States *v.* W. S. Cooper: Grazing trespass, Prescott National Forest. Case closed on payment of \$36, actual damages.

United States *v.* W. D. Williams: Grazing trespass, Lincoln National Forest. Case closed on payment of \$44.92, actual damages.

Law Cases in District 4—

United States *v.* A. E. Bringer: Grazing trespass, Sawtooth National Forest. Case closed on payment of \$78.75, actual damages.

United States *v.* E. P. Gilbert: Grazing trespass, Payette National Forest. Case closed on payment of \$217.60; \$7.60 costs, \$100 punitive damages, and \$110, actual damages.

United States *v.* James B. Showalter: Grazing trespass, Sevier National Forest. Case closed on payment of \$15.19, actual damages.

United States *v.* O'Neill Bros.: Grazing trespass, Humboldt National Forest. Case closed on payment of \$60.60, actual damages.

United States *v.* E. F. Price: Grazing trespass, Targhee National Forest. Case closed on payment of \$112.50, actual damages.

United States *v.* Frank Holbrook: Grazing trespass, Payette National Forest. Case closed on payment of \$24 actual damages.

United States *v.* John Echevarria: Grazing trespass, Boise National Forest. Case closed on payment of \$94, actual damages.

United States *v.* Garteiz & Co.: Grazing trespass, Humboldt National Forest. Judgment for \$100 punitive, \$5.67 actual damage, and for costs paid. Case closed August 31, 1918.

State of Utah *v.* Archuleta, et al., La Sal National Forest. On August 23 Forest Ranger Rudolph E. Mellenthin attempted to arrest Ramon Archuleta, a deserter from the Army. Mellenthin was shot and very shortly afterwards died from his injuries. Before losing consciousness he shot and seriously wounded Archuleta, who together with Ignacio Martinez was subsequently arrested by a posse. A preliminary hearing was had at Monticello, and Archuleta and Martinez were held on the charge of murder for action by the grand jury. In attempting the arrest of Archuleta, Ranger Mellenthin was acting under authority of section 6 of the act of Congress of May 18, 1917, which authorizes the President to utilize the services of all employees of the Government in enforcing the selective-service law.

United States *v.* Donald Findlay, et al: Fish and game trespass, Kaibab National Forest, Grand Canyon National Game Preserve. The cases which were set for trial before the United States district court at Prescott September 16, 1916, were continued to the March term.

Law Cases in District 5—

United States *v.* A. Escabel, F. Lopez, E. Diaz, and M. Romerz: Fire trespass, Stanislaus National Forest. Indictment secured. Hearing held and defendants found guilty. Sentenced to three months each in jail.

United States *v.* H. W. Bucknell: Property trespass, larceny, California National Forest. Defendant plead guilty and was fined \$100.

United States *v.* Valentine Simmons: Fire trespass, California National Forest. Indictment returned by grand jury.

United States *v.* Ed Burke: Fire trespass, California National Forest. Indictment returned by grand jury.

United States *v.* Great Western Power Co.: Fire trespass, Plumas National Forest. Payment in full, in the sum of \$443.57, received and case closed.

United States *v.* McCloud River Lumber Co.: Timber trespass, Shasta National Forest. Payment of \$225.08 received in full settlement and case closed.

United States *v.* Dan Brosnan: Grazing trespass, Modoc National Forest. Payment of \$19.88 received in settlement and case closed.

United States *v.* L. V. Olcese: Grazing trespass, Mono National Forest. Payment of \$15.75 in full settlement received and case closed.

United States *v.* F. Yparraguirre: Grazing trespass, Mono National Forest. Payment of \$35.25 received in full settlement and case closed.

United States *v.* August Galvin: Grazing trespass, Inyo National Forest. Payment of \$121.49 received in full settlement and case closed.

United States *v.* J. V. Caldwell: Grazing trespass, Modoc National Forest. Payment of \$139 received in full settlement and case closed.

United States *v.* Red River Lumber Co.: Timber trespass, Lassen National Forest. Payment of \$25.65 received in full settlement and case closed.

Law Cases in District 6—

United States *v.* Emmett Cochran: Grazing trespass, civil and criminal, Umatilla National Forest. Case closed July 13, 1918, on payment of fine of \$500 and \$1,000, civil damages.

United States *v.* Nelson Bros.: Grazing trespass, civil and criminal, Colville National Forest. On July 23 Attorney General instructed United States attorney to institute suit to collect \$225 damages.

United States *v.* Ed Barker: Grazing trespass, Okanogan National Forest. Case closed August 6, 1918, on payment of \$6.40. actual damages.

United States v. Ashland Box and Lumber Mfg. Co.: Timber trespass, Crater National Forest. Hearing held before referee June 18, on protest by receiver against Government claim of \$781.08. Decision of referee August 30, 1918, granting the Government's preferred claim in the amount of \$450.11. Case closed August 31, 1918.

United States v. Allen T. Newton, Snoqualmie National Forest. Suit instituted September 4, 1918, by Department of Justice to cancel patent.

United States v. Ukiah Stock Co.: Grazing trespass, Umatilla National Forest. Case closed September 11, 1918, on payment of \$5.05 actual and \$50 punitive damages.

United States v. Sumpter Valley Railway. Order of Oregon Public Service Commission issued July 5, 1918, granting the 15 per cent increase in rates applied for, with the understanding that the Sumpter Valley Railway had been released by the Federal Railroad Administration, thereby rendering the 25 per cent increase inoperative. Case closed July 11, 1918.

SERVICE PUBLICATIONS ISSUED.

Department Bulletin 607.—Tests of the Absorption and Penetration of Coal Tar and Creosote in Longleaf Pine.

Department Bulletin 680.—Miscellaneous Conifers of the Rocky Mountain Region.

Department Bulletin 683.—Utilization of Elm.

Unnumbered Publication.—Landscape Engineering in the National Forests.

Unnumbered Publication.—Use But Do Not Abuse Farm Woodlands.

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Corner removal, district 3; July (31).

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